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Digital Altimeter

Thomas E. LaBonte

Indiana University - Purdue University Fort Wayne

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SENIOR DESIGN

TECHNICAL REPORT

for

Digital Altimeter
title

in partial fulfillment of the requirements

for the degree of

BACHELOR OF SCIENCE



presented to the

ELECTRICAL ENGINEERING TECHNOLOGY FACULTY

INDIANA UNIVERSITY-PURDUE UNIVERSITY AT FORT WAYNE

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by

Thomas E. LaBonte

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ABSTRACT

The digital altimeter is designed so that the pilot in command could take a relatively accurate altitude reading (within 5%) of the aircraft, at a glance.

One of the advantages of the digital altimeter is that a digital display can be read much easier than the conventional clock-face altimeter. Another advantage is the efficiency and reliability of solid state electronics.

This text will contain the design of the digital altimeter and how it operates, a description of the parts used, and a brief comparison of the digital altimeter to the conventional mechanical altimeter.

Various diagrams and graphs are used throughout the text to better explain the design and operation of the digital altimeter.